Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-5 (Canceled).

Claim 6 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein the protective circuit comprises a voltage controller adapted to be switched off and allowing for adjustment of a current limitation, an actuator, a comparator for detection of

undervoltage, two monoflops, a short-circuiting switch with current limitation and, at an output, at least one capacitor.

Claim 7 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein a unit for current detection is arranged upstream of a unit for voltage control to thereby avoid an influence of input current on output voltage.

Claim 8 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a

latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein, for switching off a plurality or all of the groups of active circuit components having respectively one protective circuit assigned thereto, a signaling line and a control line are provided which connect the protective circuits of the groups of active circuit components on the output side and which themselves are connected to a central monoflop, so that, upon detection of a latch-up in one of the protective circuits, the central monoflop is started via the signaling line whereupon, via the control line, all voltage controllers are switched off and all shortcircuiting switches of the protective circuits are activated and, after lapse of a predetermined brief delay, the supply voltage is restored again by monoflops respectively provided in a plurality or all groups of active circuit components of an electronic circuit.

Claim 9 (New): A method for suppressing latch-ups occurring in an electronic circuit comprising the steps of:

- (a) subdividing the electronic circuit into groups of active circuit components with substantially the same currentl consumption in a predefined area;
- (b) assigning a protective circuit to at least one of the groups of active circuit components with substantially the same current consumption in the predefined area;
- (c) detecting an undervoltage in a current-limited supply
 voltage;
- (d) switching off the supply voltage following detection of a latch-up;
- (e) reducing charge existing in the circuit by a shortcircuiting switch; and
- (d) suppressing undervoltage detection for a short time during restoration of the supply voltage;

wherein the protective circuit comprises a voltage controller adapted to be switched off and allowing for adjustment of a current limitation, an actuator, a comparator for detection of undervoltage, two monoflops, a short-circuiting switch with current limitation, and at an output at least one capacitor.